

BOBBER WITH AUTOLOCKING HOOK SET DEVICE

Abstract: An improved Bobber for fishing that has an automatic locking hook set device built into the float. The Bobber with autolocking hook set device consists of a buoyant bobber float (10). The autolocking hook set device consists of a Slide tube (11), which is a tube with the lower end slightly restricted and a passage in the side for the passage of the locking mechanism, the Slide tube (11) is inserted vertically through the float (10). The Slide tube (11) holds the Slide (14), Spring sheath (15) assembly and Spring (16), which moves vertically, inside the Slide tube (11). The Slide (14) has a passage down through the center longitudinally for the free passage of a Fishing line (26). The Spring (16) presses down against the lower restricted end of the Slide tube (11) and up against the upper inside restricted end of the Spring sheath (15). The trigger (13) also slides down into the inside bore of the Slide tube (11) and comes to rest on the tip of the Trigger pawl (18). The trigger (13) is tubular with a opening at the top end large enough for the passage of a fishing line (26) and a contact surface for an Enlargement placed on the fishing line (27). Onto the outside of the Slide tube (11) the Release mechanism frame (12) is positioned. Inside the Release mechanism frame (12) are the Trigger pawl (18), Slide locking pawl (21), Interlocking link (20), and Autolocking spring (22). The Trigger pawl (18) and the Slide locking pawl (21) are held into place with pins through the release mechanism frame (12). The Trigger pawl (18) and the Slide locking pawl (21) are connected with the Interlocking link (20). The Autolocking spring (22) places slight pressure onto the locking mechanism which causes the mechanism to automatically lock the Slide (14) down after a fisherperson manually pulls the Slide (14) down. The alignment of the Trigger pawl pivot pin (19), Interlocking link pivot pin (25) and the Interlocking link pivot pin (24) determines the amount of downward pressure that is required at the top of the trigger (13) to rotate the trigger pawl (18) and release the device. The alignment of these pins can be adjusted by the use of the Optional Sensitivity screw (17) which will allow the device to have adjustable sensitivity.